



Pictures might not correspond with technical data

TECHNICAL FEATURES

Torque	8 - 16 - 24 - 32 Nm		
Damper size	1.5 - 3.0 - 4.5 - 6.0 m ²		
Shaft dimensions	Ø 10 to 20 mm round / $ {\scriptstyle [\!\!]} 10$ to 16 mm square		
Power supply	AC/DC 24V \pm 15%		
	AC 110V ± 10% 50-60 Hz		
	$AC 230V \pm 10\% - 50-60 Hz$		
Control signal	2 point and 3 point or modulating		
Feedback potentiometer	1 ΚΩ / 10 ΚΩ		
Power consumption when running	7.5 W (24V), 10.5 W (220V) - fast running		
	4.0 W (24V), 4.8 W (220V) - standard actuator		
Power consumption maintaining	0.5 W (24V), 2.5 W (220V) - fast running		
	0.7 W (24V), 1.0 W (220V) - standard actuator		
For wire sizing	6.5VA		

FEATURES

- Damper size 1.5 3.0 4.5 6.0 m²
- Power supply AC/DC 24V and AC 110 230V
- Control 2 3 point and modulating
- Potentiometer 1 K Ω / 10 K Ω
 - Shaft dimensions Ø 10 to 20 mm round / ☐ 10 to 16 mm square minimum shaft length 50 mm

Damper Actuator AG 8-16-24-32 Nm

ECONEX standard damper actuators are especially designed and produced for applications in the HVAC systems. Our wide range of ECONEX standard damper actuators has been developed to operate and position air dampers of different sizes.

Protection class			
Angle of rotation	0°90° (93° mechanical)		
Angle of limiting (mechanical)	0°90° in 5° steps		
Weight	1.2 kg - 1.4 kg (24V) and 1.3 kg - 1.5 kg (230V)		
Life cycle	70'000 rotation		
Sound level	45 dB (A)		
IP protection	IP 44 or IP 54 (in vertical mounting)		
Operating temperature	-20°+50° C / IEC 721-3-3		
Non-operating temperature	-30°+80° C / IEC 721-3-2		
Mode of operation	Type I / EN 60730-1		
EMC	CE according to 2004 /108/EC/UL (except 230V)		

- Selectable direction of rotation
- Adjustable angle of rotation
- Customer version (on request)

MODELS

AVAILABLE MODEL TABLE					
Models	24 V	110 V	230 V		
ON - OFF	8 - 16 - 24 - 32 Nm	8 - 16 - 24 Nm	8 - 16 - 24 - 32 Nm		
MODULATING	8 - 16 - 24 - 32 Nm	8 - 16 - 24 Nm	8 - 16 - 24 Nm		

AG = Standard Damper actuator



Limitation of rotation angle

The limitation of rotation angle can be set in 5° steps by moving the adapter. Adapter removed by pressing the adapter clip on the bottom of the actuator simply.



-94.5

ON-OFF version

SET OF ROTATION DIRECTION

Rotation is factory set as below indicated. To change direction, reverse plug "C".



WIRING DIAGRAM

Dumper actuator can be controlled by 2 or 3 point. AC/DC 24V - AC 110V - AC 230V



ADJUSTMENT AUXILIARY SWITCHES

AC/DC 24V - AC 110V - AC 230V



Switch **a** factory-set at 10° Switch **b** factory-set at 80°



The auxiliary switches can be optimally adjusted between 0°...90°.

MODULATING VERSION

SET OF ROTATION DIRECTION

SET OF CONTROL SIGNAL

selected 2-10 Vdc or 4-20 mA.

Damper actuator is set from manufacturing in clockwise rotation. In order to change direction move dip-switch as follows:



By switching dip-swatch "d" onto "ON" position, the control signal will be



COUNTER CLOCKWISE

CW CLOCKWISE



Position signal U DC 0...10 V Input resistance Ri >50 Ω



REMARK

Parallel connection of maximum five actuators is possible. The power consumption and distance between master and slave must be observed.

All the reported data are subject to be changed without notice.

from 210309



In "OFF" position of dip-switch "d" control signal will be 0-10 Vdc or 0-20 mA.

CONTROL SIGNAL AND INPUT RESISTANCE

Control signal Y1 DC 0(2)... 10 V Input resistance Ri 100 Ω



Control signal Y2 0(4)...20 mA Input resistance Ri 500 Ω

